

**THOMAS SAWYER**  
 Septic Tanks Cleaned & Installed  
 City & Town Sewer Connections  
 Sand • Loam • Gravel  
 Route 84 Hampton Falls, NH 03844  
 (603) 926-2004 & Seabrook, NH 474-2756

# JOB INVOICE

CUSTOMERS ORDER NO.		DATE ORDERED	
ORDER TAKEN BY		DATE PROMISED	
PHONE		<input type="checkbox"/> A.M. <input type="checkbox"/> P.M.	
MECHANIC			
HELPER			
BILL TO		JOB NAME AND LOCATION	
ADDRESS		DESCRIPTION OF WORK	
CITY		<input type="checkbox"/> DAY WORK <input type="checkbox"/> CONTRACT <input type="checkbox"/> EXTRA	
QUANT.		DESCRIPTION OF MATERIAL USED	
PRICE		AMOUNT	
Plan of existing			
System at Hardware Store			
Landscape Bed			
10000			
3x6 Built Dry			
Salem Series			
Thomas Sawyer			
MECHANICS		TOTAL MATERIALS	
HELPERS		TOTAL LABOR	
I hereby acknowledge the satisfactory completion of the above described work:		TOTAL	
SIGNATURE		DATE COMPLETED	

BEVERAGES	
an effective depth of 500 ft and effective diameter of 11 ft for a vertical up area of 190 sq ft.	
Three such dry wells would provide a total of 190 x 3 or 570 sq ft.	
NHWS & PCC regulations allow a 50% reduction from standard system area requirements increased the capacity of the 3 dry wells to	
TOTAL BEVERAGE	
PAY TOTAL ON REVERSE SIDE	

SA 38



Anne W. Bialobrzeski  
247 Landing Road  
Hampton, N.H. 03842

To whom it may concern:

Although I have not made a personal inspection of the site or system components, information provided by the contractor regarding the existing septic system now serving O'Grady's Sandwich Shop on Lafayette Road in Seabrook indicates that the system is comprised of a 1000 gallon precast concrete septic tank and three 6' diameter by 3' deep concrete block dry wells set in crushed stone. If built to New Hampshire Water Supply and Pollution Control Specifications (e.g. with 30" of crushed stone on all sides and bottom) these seepage pits would provide vertical wall areas of 190 square feet each for a total of 570 square feet.

NHWS&PCC regulations allow for a 50% reduction from standard system area requirements when seepage pits are used. This would result in an effective system area for loading purposes of 570 X 2 or 1140 square feet. Rockingham County Soil Survey Data indicates that the receiving soil in the area of the existing system is Urban Land/ Hoosic Complex with deep, somewhat excessively drained soils consisting primarily of loamy sands and gravels. The contractor describes the subgrade soil as "sand". A reasonable percolation rate for these types of soils would be 2 minutes per inch or less. At this rate, allowable loading for the system would be calculated at the rate of 100 gallons per day per 125 square feet of leaching area. 1140 square feet of leaching divided by 125 GPD per 100 square feet would equal 912 gallons per day allowable loading.

Standard Unit Design Flow Figures contained in NHWS&PCC Regulations call for 40 gallons per day per seat for a typical restaurant. Using this figure and the calculations shown above, a total of 22.8 seats would be permitted. Since O'Grady's is a sandwich shop only, using disposable table service and no commercial dishwasher, it would be reasonable to suggest that kitchen waste would be significantly less in this case than in a typical restaurant. Unfortunately the state has no specific design figures for this lighter use.

A 22 seat restaurant at 880 gallons per day design loading would require a septic tank with a capacity equal to one and one-half times the design loading or 1320 gallons. Therefore, the existing septic tank should be replaced with a larger tank with a capacity of at least 1500 gallons. Replacement of existing septic tanks with tanks of equal or greater capacity is permissible without NHWS&PCC approval.

Anne W. Bialobrzeski  
NHWS&PCC Designer Permit #348

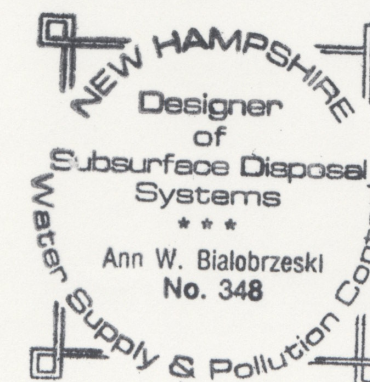
Building Inspector  
Town of Seabrook  
Seabrook, N.H.

*Aug 27, 1986*

Dear Sir:

After discussing the loading information regarding O'Grady's Sandwich Shop on Route 1 in Seabrook with George Carlson, head of the Subsurface Division of NHWS&PCC, I am prepared to make the following additional statement. As I mentioned in my previous letter, the state has not developed specific Unit Design Flow Figures for establishments which serve food other than full service restaurants. Mr. Carlson agreed with me that 40 gallons per day per seat would not be an appropriate figure for this type of establishment; that for a primarily take-out sandwich shop with some seating, no dishwasher, and disposable tableware a figure of 20 gallons per day per seat would be, in Mr. Carlson's own words, conservative. That is to say, a figure of even less than 20 gallons per day per seat for this type of loading would merit consideration by the state.

In the interest of the parties involved, who are anxious to resolve this matter as soon as possible, I would like to use 20 gallons per day per seat as a high estimate design loading flow for O'Grady's. The total floor space of the original hardware store serviced by the existing septic system in question was 5960 square feet according to the owner. Unit Design Flow Figures for large dry goods stores are listed at 5 gallons per day per 100 square feet, resulting in a calculated design loading of 298 gallons per day for the previous use. As long as the system is operating properly, a change in use which does not increase the design loading should not require review and approval by the NHWS&PCC. At the very least, O'Grady's is entitled to utilize up to 298 gallons per day as a replacement for the previous use. At 20 gallons per day per seat there would be an acceptable capacity of 14.9, or 15 seats for which application to the NHWS&PCC would not be required.



*Anne W. Bialobrzeski*  
Anne W. Bialobrzeski  
NHWS&PCC Designer Permit #348



Anne W. Bialobrzeski  
247 Landing Road  
Hampton, N.H. 03842  
August 30, 1986

George Carlson  
NHWS&PCC  
PO Box 95  
Concord, N.H. 03301

Dear Mr. Carlson:

You may recall our telephone conversation regarding design loading estimates for light use food establishments such as sandwich shops. After talking to you I wrote a letter to the building inspector in Seabrook stating that the estimated design loading for the sandwich shop in question, if a certain number of seats were allowed, would not exceed the design loading for the previous use of the building. I had hoped to spare you the inconvenience of writing a confirmatory letter, but the building inspector has asked for some type of verification from NHWS&PCC of the statements in the enclosed letter. I would very much appreciate it if you could jot down a quick memo to that effect and drop it in the self-addressed envelope which I have enclosed for your convenience. If you have any questions or comments, I can be reached either at home (926-7795) or at work (778-0528).

Thanking you in advance, I am

Sincerely yours,

Anne W. Bialobrzeski  
Designer Permit #348

*The State of New Hampshire*



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*Water Supply and Pollution Control Commission*

*6 Hazen Drive - P.O. Box 95*

*Concord, N.H. 03301-6528*

STAFF

WILLIAM A. HEALY, P.E.  
Executive Director

September 3, 1986

Anne W. Bialobrzeski  
247 Landing Road  
Hampton, NH 03842

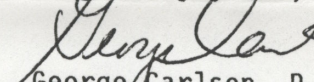
Re: Seabrook, O'Grady's Sandwich Shop

Dear Ms. Bialobrzeski:

This will confirm our recent telephone conversation and reply to your letter of August 30, 1986.

We are in agreement with your letter of August 27, 1986 to the Seabrook Building Inspector. Based on recent metered flow information from other similar establishments, 20 gpd/seat would be conservative for the proposed case. We are in agreement with 15 seats being handled by the existing system. If the seat count is to be expanded in the future a new system would have to be designed for our review or water meter readings be provided to demonstrate a lower water use than 20 gpd/seat.

Very truly yours,

  
George Carlson, P.E.  
Director  
Subsurface Systems Division

GC/sd



PLAT LAND

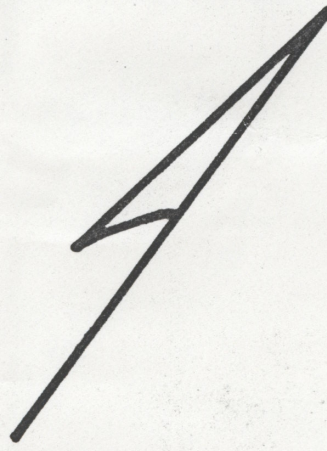
ALVIN BEYER

SEABROOK, N.H.

SCALE 1" = 40'

NOV, 1971

PARKER SURVEY ASSOC., INC.



PAGE

LANE

LOT C  
17,900 ±

TO BE MOVED  
NORTH-EASTERLY

LOT B  
22,400 ±

33900

205.20

LOT A  
11,500 ±

N/F F. FELCH  
R.C.R. 1133 / 395

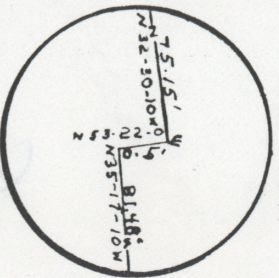
SET HUB

SET HUB

END I.P.K.

ELMWOOD CEMETERY

LAFAYETTE ROAD  
(ROUTE #1)



B2695

1104